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ATTACHMENT

New Claims (entire set of pending claims)

Following herewith is a clean copy of the entire set of pending claims.

Sub E1

65. A method for input by a person of data to a computer having a display comprising the steps of:

- providing at least two spaced TV cameras provided on said display for acquiring at least a stereo pair of images of one or more datums associated with the person;
- photogrammetrically determining, from said images acquired by said TV cameras, the three dimensional position of at least one of said datums; and
- controlling said display based on said position of said datum or datums.

66. A method according to claim 65, wherein said cameras are located on opposite sides of said display.

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67. A method according to claim 65, wherein at least one of said datums is a natural feature of the person or clothing worn by the person.

68. A method according to claim 65, wherein at least one of said datums is an artificial feature on the person or clothing worn by the person.

69. A method according to claim 65, wherein at least one of said datums is distinguishable in reflected light.

70. A method according to claim 65, wherein a light source proximate each TV camera is used to illuminate said datums.

71. A method according to claim 65, wherein said display provides 3D graphical data concerning a virtual object which is manipulated by the person.

72. A method according to claim 65, wherein datums on additional persons or portions thereof are sensed by said cameras, and information concerning position thereof is determined. (Col 8, lines 17-23)

73. A method according to claim 65, wherein orientation of a portion of the person is also determined.

74. A method according to claim 73, wherein the determined position and orientation is used to determine the point on a display indicated by of the person pointing at the display.

75. A method according to claim 65, wherein at least one of said datums is retroreflective.

Cont.

76. A method according to claim 65, wherein an IR LED light source is used to illuminate said datums.

77. A method according to claim 65, wherein at least one of said datums is distinctive in color or shape. (Col 4, 60-55)

78. A method according to claim 65, wherein at least one of said datums is in the shape of a point or line.

79. A method according to claim 65, wherein at least one of said datums is associated with a finger of the person Col 4, 50-55)

80. A method for input by a person of data to a computer having a display comprising the steps of:

- providing at least two spaced TV cameras for acquiring at least a stereo pair of images of datums associated with the person;

- determining, from said images acquired by said TV cameras, the three dimensional orientation of said datums; and
- controlling said display based on said orientation of said datums.

81. A method for input by a person of data to a computer having a display comprising the steps of:

- providing at least two spaced TV cameras for acquiring at least a stereo pair of images of datums associated with the person, at least one of said datums being a natural feature associated with said person;
- photogrammetrically determining, from said images acquired by said TV cameras, the three dimensional orientation of at least said at least one datum; and
- controlling said display based on said orientation of said at least one datum.